

ART 34 AMDT

English translation of the amended sheets of the
International Preliminary Examination Report

CLAIMS

1. Method for transferring at least one element
(12) from a donor substrate (10) to a target substrate
(40), the element to be transferred being made integral
with a handle substrate (30) through the intermediary
5 of a layer of glue (32) whose adherence can be
degraded, a degradation of the layer of glue (32) being
carried out so as to free the element to be transferred
(12), characterised in that it comprises the following
successive steps:

- 10 a) gluing of the element to be transferred (12)
from the donor substrate (10) onto the handle support
(30) by the intermediary of the glue layer (32),
b) thinning of the donor substrate (10),
c) degradation of the adherence of the glue layer
15 (32),
d) displacement of the element to be transferred
(12) onto the target substrate (40),
e) separation of the element to be transferred and
the handle substrate.

20

2. Method according to claim 1, wherein a glue
used is chosen from among an epoxy glue, a glue to be
hardened by ultraviolet radiation, a polymer base glue,
or a glue with a wax base.

25

3. Method according to claim 1, wherein
degradation of the glue layer is carried out by

English translation of the amended sheets of the
International Preliminary Examination Report

submitting it to a chemical treatment, a heat treatment, a radiation treatment and/or a plasma treatment.

5 4. Method according to claim 1, implemented for
transferring a layer of material (18), and comprising a
step for thinning the layer of material (18), the
thinning being carried out when the layer of material
(18) is integral with the handle substrate (30) and
10 before degradation of the glue layer.

 5. Method according to claim 4, comprising cutting
out the layer of material (18) when the layer is
integral with the handle substrate.
15

 6. Method according to claim 1, wherein a handle
substrate (30) is used with access paths (34) towards a
face of the handle substrate able to be put into
contact with the layer of glue.
20

 7. Method according to claim 1 for selective
transfer of components wherein the stages a) and b) are
carried out collectively for an assembly of components
and the stages c) and d) are repeated for sub-
25 assemblies of components.

 8. Method according to claim 1, wherein the
detachment step includes applying traction, pressure,
shearing, peeling or bending forces, or any combination

English translation of the amended sheets of the
International Preliminary Examination Report

of these forces, and/or the application of a jet of
fluid and/or the insertion of a tapered object.